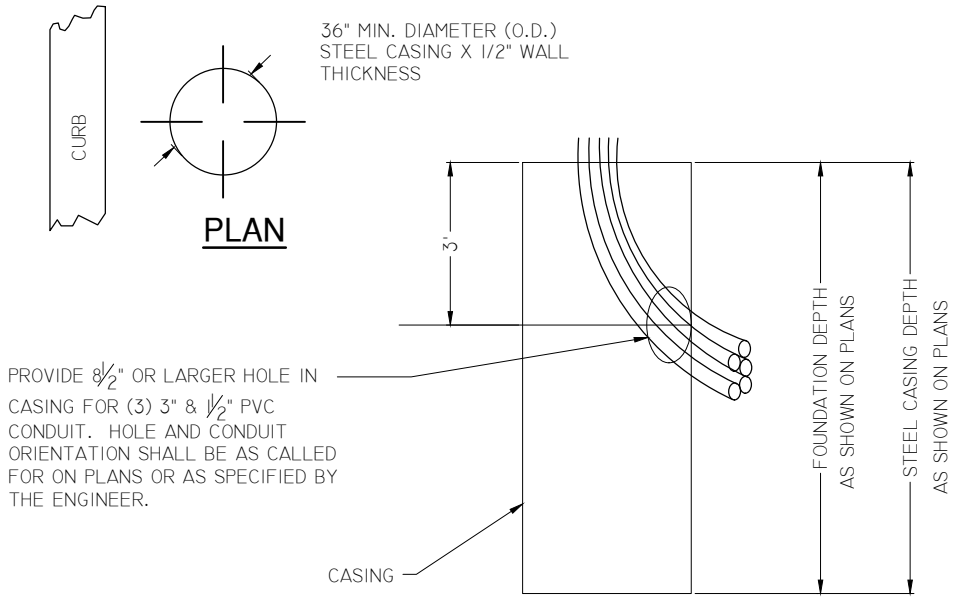
NOTE:
42" DIAMETER FOUNDATIONS ARE PERMISSIBLE BASED ON THE SPECIFICATIONS LISTED IN THE FOUNDATION DEPTH AND SOIL TABLE. ALTERNATE 42" DIAMETER FOUNDATION DEPTHS SHALL BE CONTRACTOR DEIGNED AND SUBMITTED FOR EVALUATION AND APPROVAL OF THE ENGINEER.



1. CUT 8½" OR LARGER DIAMETER HOLE IN STEEL CASING AT 3 FEET ROM TOP OF FOUNDATION FOR CONDUIT.
2. TRENCH FOR PLACEMENT OF CONDUITS AFTER CASING IS IN PLACE AND BEFORE DEWATERING.

FOUNDATION DEPTH AND SOIL TABLE

MAST ARM TYPE	SOIL CONDITION		FOUNDATION DEPTH (MIN)	CASING DEPTH
	Suc	N		
SINGLE ARM	500<Suc<750	4<N<10	16.0'	
SINGLE ARM	Suc>750	N>10	13.5'	AS SHOWN ON PLANS
DOUBLE ARM	500<Suc<750	4<N<10	18.5'	
DOUBLE ARM	Suc>750	N>10	15.5'	

Suc=UNCONFIDED COMPRESSIVE SHEARING RESISTANCE IN COHESIVE SOIL (PSF
N=BLOWS/FOOT OF PENETRATION ACCORDING TO ASTM D1586.

A SPECIAL DESIGN IS REQUIRED IF N<4 OR Suc<500 PSF

CITY OF WYOMING
ENGINEERING DEPARTMENT

MAST ARM STANDARD FOUNDATIONS

DRAWN BY - JZ	T-4A
CHECKED BY - MB	
DATE DRAWN -	
DATE REVISED - MARCH, 1990	